

Laparoscopic Curative Resection for Right-Sided Colonic Tumours: Initial Experience from a Cancer Hospital of a Developing Country

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Abstract : Introduction: Laparoscopic right hemicolectomy is an advanced cancer surgery in today's era. The aim of this study was to evaluate the surgical and initial oncological outcomes after curative, laparoscopic resection of right sided colonic tumors. Also to compare our results with those of previous randomized trials. Methods And Procedures: We retrospectively analyzed the medical record files of all the patients who presented to our hospital with the diagnosis of right sided colon carcinoma from January 2012 to December 2017 and underwent laparoscopic right hemicolectomy. Demographics, operative findings and histopathological reports were all recorded on a preformed data sheet. All the analysis was performed on SPSS 20. Results: Total of 48 patients were included. There were 37 male and 11 female patients with mean age of 49.7 (range from 25 - 82). Mean hospital stay was 8.25 ± 3.17 days. Blood loss was 80mls and operative mean time was 240 minutes. Eighteen patients had extended right hemicolectomy. Median length of the specimen retrieved was 31cm (range, 14-59cm). Mean size of tumor was $6.44\text{cm} + 2.53$. Total number of lymph nodes removed was $20.5 + 8.3$. All had R0 resection. Post-operatively 2 patients had pelvic collection and there was no 30 day mortality. In 33 patients there was T3 disease, 5 had T2 and 10 had T4 disease. There was distant recurrence in 4 patients with peritoneal metastasis in 3 and liver metastasis in 1 patient. Forty-six patients are still alive and 44 are disease free. The mean follow-up period was 25.31 (12 to 60) months. Conclusion: Our early experience with Laparoscopic Right hemicolectomy as a safe and oncologically feasible surgical option. We attained comparable surgical results with curative intent.

Keywords : right hemicolectomy, right sided colonic tumors, laparoscopic, curative intent

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